

reasonable costs and be fabricated on-shore to meet security requirements. This advanced process technology enables higher speed, lower power electronics that are of vital importance to the military and intelligence communities. The DOME program will deliver the capability to manufacture semiconductors at the most advanced technology node currently in production, 45nm, at an American run on-shore facility optimized for DOD/IC business.

Project Name: Hybrid Energy Systems Design and Testing

Amount Received: \$2,000,000

Account: Military Engineering Advanced Technology Account in the Army RDT&E

Recipient: Idaho National Laboratory

Recipient's Street Address: 2525 Fremont Avenue, Idaho Falls, Idaho 83415

Description: The Hybrid Energy Systems Development and Testing Program will provide the Army transformational technologies that advance Army leadership in global energy security and carbon reduction. Hybrid energy concepts provided through this program could allow the Army to simultaneously address energy supply (electrical grid and fuel supply) security and surety, environmental (CO₂) footprint reduction, and provide national economic benefits. This project will leverage unique assets at the INL, such as its Hybrid Testing Lab, engineering-scale energy test beds, supercomputing capabilities, and hybrid systems design teams, and nuclear technology designs, to develop, validate, and assess hybrid and other advanced energy system concepts. This program will provide a foundation for Army leadership in clean, smart, secure energy for future defense and nondefense applications.

Project Name: Hybrid Power Generating System

Amount Received: \$2,000,000

Account: Advanced Electronics Technologies Account in the Department of Defense RDT&E

Recipient: M2E Power, Inc.

Recipient's Street Address: 845 West McGregor Court, Suite 150, Boise, Idaho 83705

Description: Research at the Idaho National Laboratory resulted in a breakthrough technology using compressed magnetic fields which can generate power. M2E Power is expanding on this research to develop high density generators based on breakthrough configurations of permanent magnetic material, coil designs and advanced power electronics. With further development efforts, M2E Power's technologies will enable lightweight, compact power sources and highly power-dense components that will significantly reduce the logistics burden, while increasing the survivability and lethality of the warfighter. The continued research, development, testing and validation of the technology should result in mission extension for dismounted soldiers and considerable savings by reducing the reliance on disposable batteries. In addition, the technology will substantially increase the overall efficiency of motors, generators and propulsion systems used defense-wide.

Project Name: Integrated Passive Electronic Components

Amount Received: \$1,700,000

Account: Advanced Spacecraft Technology in the Air Force RDT&E

Recipient: University of Idaho

Recipient's Street Address: 820 Idaho Ave., Morrill Hall 109, Moscow, ID 83844

Description: Spacecraft are critical for coordinating modern military operations, particularly for intelligence gathering, battle-space communications, resource deployment (e.g. Global Positioning System), and targeting. More accurate and timely information enables more effective deployment, but requires enhanced sensing, communications and computing, which require more power. Limited energy sources and cooling capacity aboard spacecraft restrict increased processing capability. Power consumption has become a limiting factor in the performance electronic and computing technologies. Microchip designers have addressed rising power consumption by reducing the voltage levels of the power delivered to the chips, with excellent results. However, this creates a new problem of how to deliver clean low-voltage power to the chips. This research will develop the technologies to enable low-voltage power regulation to be integrated onto the same piece of silicon that holds the computing circuits, thus making ultra-low-power microelectronics practical. The key to this technology is integrated passive components. In addition, this research will produce a new range of component options for analog circuit designers, enabling greater ability to program and increasing flexibility of on-board electronic systems.

Project Name: Material, Design, Fabrication Solutions for Advanced SEAL Delivery System external structural components

Amount Received: \$2,000,000

Account: Operations Advanced Seal Delivery System (ASDS) Development in the Department of Defense Research, Development, Test and Evaluation (RDT&E)

Recipient: Premier Technology Inc.

Recipient's Street Address: 1858 West Bridge Street, Blackfoot, Idaho 83221.

Description: Premier Technology Inc. will work with the Idaho National Lab, Navy PEO Submarine (PMS 399), U.S. Special Operations Command, Naval Special Warfare Command and the Navy Office of Naval Research to provide material, design and fabrication solutions for ASDS external structural components allowing those components to withstand severe hydrodynamic, hydrostatic and shock loading while maintaining significant resistance to corrosion in situations where the ASDS is attached to the submerged host submarine operating at high speeds. Candidate components include the host submarine pylon assembly, ASDS lower hatch (buttress threads) and ASDS shaft line components. The goal of this project is to assist the U.S. Navy in bringing ASDS to its fullest operational capability by addressing challenges that it faces in key material issues.

Project Name: Radiation Hardened Cryogenic Read Out Integrated Circuits

Amount Received: \$2,000,000

Account: Defense Production Act Purchases in Department of Defense Procurement

Recipient: ON Semiconductor, Inc.

Recipient's Street Address: 2300 Buckskin Road, Pocatello, Idaho 83201

Description: Readout integrated circuits (ROIC) are the foundation of thermal imaging systems. These systems have forever changed modern warfare and surveillance. The United States Air Force and the Missile Defense Agency have been investigating ways to improve manufacturing capabilities and improve cryogenic and radiation performance of these circuits. The thermal imagers of the fu-

ture will operate in harsh environmental conditions for longer periods of time and will have increased resolution (through increased pixel count) than the detectors of today. Maintaining a domestic source of this technology, as well as working to enhance the manufacturing capabilities of this critical technology, are as equally important as increasing the yield. The DPA Title III Readout Integrated Circuit (ROIC) program will continue the improvement efforts to develop technology that includes a larger stitched die, smaller feature size (< 0.35um), improved yields, and reduced cycle times will enable a domestic U.S. source for ROIC manufacturing to meet our national defense needs.

I appreciate the opportunity to provide a list of Congressionally-directed projects in the report accompanying the FY2010 Defense Appropriations bill on behalf of Idaho and provide an explanation of my support for them.

EARMARK DECLARATION

HON. MIKE ROGERS

OF ALABAMA

IN THE HOUSE OF REPRESENTATIVES

Thursday, July 30, 2009

Mr. ROGERS of Alabama. Madam Speaker, in accordance with the Republican Conference standards regarding Member initiatives, I rise today to provide a description for how funds appropriated in response to my requests submitted to the House Appropriations Committee will be allocated. In making those requests, I submitted a financial certification letter to Chairman OBEY which accompanied my requests, and included the following information:

I hereby certify that to the best of my knowledge these requests (1) are not directed to any entity or program that will be named after a sitting Member of Congress; (2) are not intended to be used by any entity to secure funds for other entities unless the use of funding is consistent with the specified purpose of the earmark; and (3) meet or exceed all statutory requirements for matching funds where applicable. I further certify that should any of the requests I have submitted be included in the bill, I will place a statement describing how the funds in each of the included requests will be spent and justifying the use of federal taxpayer funds.

In order to fully comply with these standards, Madam Speaker, I hereby submit a description of how the funds appropriated in the Department of Defense Appropriations Act for Fiscal Year 2010 will be used for the projects to follow.

Requesting Member: Congressman MIKE ROGERS (Alabama)

Bill Number: H.R. 3326, Department of Defense Appropriations Act for Fiscal Year 2010

Account: RDT&E, Army

Legal Name of Receiving Entity: SCRA, Institute for Solutions Generation (funding will benefit the Anniston Army Depot)

Address of Receiving Entity: 5300 International Boulevard, N. Charleston, SC 29418

Description of Request: Provide \$2,500,000 in funding for the Highly Integrated Production for Expediting RESET. This funding was requested by the Calhoun County Chamber of Commerce to benefit the Anniston Army Depot, located at 7 Frankford Avenue, Anniston, AL 36201. A critical readiness issue facing the military today is repairing and restoring

military equipment that has been damaged or worn out in battle. Resetting small arms and crew served weapons is particularly challenging, given their sheer numbers and the fact that, there is a growing incidence of non-conforming parts used to support reset operations there. In addition, under the current system, a lot of time and cost are required to design and apply product improvements during reset. HIPER ensure a quick and efficient RESET turn-around for weapons to the theater. The requested funding will drive downstream efficiencies in manufacturing and quality inspection by enabling the utilization of laser scanning technology to significantly shorten the time and lower the cost for resetting and modernizing the military's small arms and crew-served weapons. This funding will provide for integration, collaboration, scanning and reverse engineering technology, and supply chain improvements to enhance and expedite RESET efforts.

Requesting Member: Congressman MIKE ROGERS (Alabama)

Bill Number: H.R. 3326, Department of Defense Appropriations Act for Fiscal Year 2010
Account: RDT&E, Army

Legal Name of Receiving Entity: BAE Systems

Address of Receiving Entity: 1101 Wilson Blvd., Suite 2000, Arlington, VA 22209

Description of Request: Provide \$2,000,000 for the Paladin Integrated Management for work to be completed in Anniston, AL. The FY 10 President's Budget contains funding for research and development Army funds to assist in making the M109A6 Paladin and its companion vehicle the Field Artillery Ammunition Support Vehicle (FAASV) sustainable through the year 2050. The changes to this vehicle will incorporate the Bradley's drive train and suspension components that will reduce the logistics footprint thereby reducing operational and support costs. This funding is needed for this program be reinstated to its original schedule (the program was Congressionally reduced by that same amount during the FY09 budget process). Procurement funds to initiate low rate initial production are in the FY 10 procurement budget. The Army intends to fund this program through completion. This is a national defense program which provides fire-power to our troops engaged in combat.

Requesting Member: Congressman MIKE ROGERS (Alabama)

Bill Number: H.R. 3326, Department of Defense Appropriations Act for Fiscal Year 2010
Account: RDT&E, Army

Legal Name of Receiving Entity: Electric Fuel Battery Corporation (Arotech Subsidiary)
Address of Receiving Entity: 354 Industry Drive, Auburn, AL 36832

Description of Request: Provide \$2,500,000 for the Novel Zinc Air Power Sources for Military. This funding will develop Zinc-Air battery technology that will provide the soldier with a high energy density power source that significantly reduces battery carry weight. Previous advances in the technology have helped to cut warfighter battery carry weight in half. Continued development of body-worn energy distribution systems, coupled with further development of Zinc-Air battery technology, promises to cut warfighter battery carry weight further, while reducing battery quantities carried on long missions. Reducing battery type and count lowers operational risk by reducing the need for re-supply. In addition, Zinc-Air bat-

tery's intrinsic safety (cannot combust or explode even when penetrated by hot projectiles) enhances warfighter safety. Lithium-Air battery technology is in its infancy but has the highest possible energy density of any battery system promising a quantum leap in the warfighter mission length.

Requesting Member: Congressman MIKE ROGERS (Alabama)

Bill Number: H.R. 3326, Department of Defense Appropriations Act for Fiscal Year 2010
Account: RDT&E, Army

Legal Name of Receiving Entity: Auburn University

Address of Receiving Entity: 102 Samford Hall Auburn, AL 36849

Description of Request: Provide \$1,500,000 for the Logistical Fuel Processors Development to Meet Army/TARDEC/TACOM Needs. The technical focus of this program is the development and demonstration of logistical fuel processor-fuel cell combinations that operate at significantly higher efficiencies than current IC engines used by the Army. System attributes to be optimized include: overall efficiency, fuel flexibility, activity maintenance and poison tolerance of the various catalysts, start-up/shutdown time-scales, process robustness, reliability/ruggedness, safety, thermal/acoustic signature and integration, and reductions in overall weight and volume. Additional efforts will be conducted to design and adapt fuel processor/fuel cell systems to appropriate electrical loads with respect to voltage, current, AC/DC operation, peak power requirements versus average power and overall autonomy time. More efficient forms of energy conversion and power production are of key importance to the Army and can be leveraged many times as a gallon of fuel or a pound of food is transported from its point of origin to a forward deployed base of operations. For reasons of inter-operability, the Army must utilize existing and readily available fuel sources such as JP-8 and diesel.

Requesting Member: Congressman MIKE ROGERS (Alabama)

Bill Number: H.R. 3326, Department of Defense Appropriations Act for Fiscal Year 2010
Account: OM, Army

Legal Name of Receiving Entity: Intergraph Corporation

Address of Receiving Entity: 170 Graphics Drive, Madison, AL 35758

Description of Request: Provide \$5,000,000 for the Fort Benning National Incident Management System (NIMS)-Compliant Installation Operations Center. In January 2009, the Department of Defense (DOD) released an instruction sheet (NUMBER 6055.17) on the Installation Emergency Management (IEM) program to establish policy, assign responsibilities, and prescribe procedures for developing, implementing, and sustaining IEM programs at DOD installations. IEM directly supports the Homeland Security Presidential Directive (HSPD)-5, which orders the Secretary of Homeland Security to develop and administer a National Incident Management System (NIMS). A NIMS-compliant installation operations center provides a unified approach to incident management, standard command, and management structures, as well as creates an emphasis on preparedness, mutual aid, and resource management. Without this system in place, it is very difficult for responders from different jurisdictions to communicate and work together effectively. Because Fort

Benning extends across the Alabama-Georgia border, the implementation of a NIMS-compliant installation operations center directly supports HSPD-5 by providing interoperability and cross-jurisdiction capabilities among local and multi-state response agencies. The request will allow Fort Benning to create a NIMS-compliant state-of-the-art operations center. This system will provide Fort Benning with the critically needed capability to track and protect new incidents and existing activities. The final solution will integrate first responder force protection and the fire fighting common operational picture into one comprehensive command and control/decision support capability that will provide visibility to the commander to gain status and direct response, analyze the current anti-terrorism and force protection mission, and allow for appropriate reporting to other operations centers throughout the country.

EARMARK DECLARATION

HON. JOHN J. DUNCAN, JR.

OF TENNESSEE

IN THE HOUSE OF REPRESENTATIVES

Thursday, July 30, 2009

Mr. DUNCAN. Madam Speaker, consistent with House Republican Earmark Standards, I am submitting the following earmark disclosure information for project requests that I made and which were included within H.R. 3326, "Making appropriations for the Department of Defense for the fiscal year ending September 30, 2010, and for other purposes."

Requesting Member: Congressman JOHN DUNCAN

Account: RDTE—Air Force

Project Amount: \$2,000,000

Legal Name of Requesting Entity: University of Tennessee, 328 Ferris Hall, 1508 Middle Drive, Knoxville, Tennessee 37996

Description of Request: The funding will be used for design, testing, and evaluation of systems needed for the harvesting and storage of green energy. The need for the nation to design, implement, and test systems and processes capable of producing renewable energy at a large scale is vital for the U.S. military and the nation as a whole.

TRIBUTE TO DONNIE D. CHIZEK

HON. TOM LATHAM

OF IOWA

IN THE HOUSE OF REPRESENTATIVES

Thursday, July 30, 2009

Mr. LATHAM. Madam Speaker, I rise today to recognize Mr. Donnie D. Chizek as a member of Troop A, 1st Squadron, 11th Armored Cavalry Regiment. This military unit was recently awarded the Presidential Unit Citation. This rare and prestigious citation honors the Unit's courageous actions in the Republic of South Vietnam.

In 1970 Troop A, 1st Squadron, 11th Armored Cavalry Regiment distinguished itself through a series of serious combat missions over a period of several months. The Presidential Unit Citation has been awarded less than 100 times since its inception in 1941. I am very pleased with the Department of Defense's review and recommendation to recognize this unit with this esteemed honor.